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Model #: SMX2200RT2UTAA

TAA Compliant SmartPro Expandable Rack/Tower UPS - Intelligent, line-interactive network power management system

Highlights



- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- 2200VA / 2.2kVA line interactive, extended-run 2U rack / tower UPS
- Maintains sine-wave 230V nominal output during brownouts to 158 and overvoltages to 278V
- Network communications supported via HID compliant USB port, DB9 serial port, SNMP/Web card slot and EPO interface
- Current monitoring and switched PDU control via 3 controllable load banks
- Input: C20 inlet / Output: 8 C13 / Jumpers: Includes 3 C13 to C14 cables
- 2 year warranty

Description

Tripp Lite's SMX2200RT2UTAA is compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases. This intelligent, line-interactive rack/tower uninterruptible power supply prevents data loss, downtime and equipment damage due to power outages, voltage fluctuations and transient surges. Requires only two rack spaces (2U) in a standard rack enclosure. Large internal batteries offer 17 min. half-load runtime and 6 min. at full load. Runtime is expandable with optional BP48V24-2U or BP48V60RT-3U external battery packs. Maintains regulated 230V nominal output without using battery power during brownouts and overvoltages from 158-290V. 2200VA/1600W power handling capability and full-time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic applications. 8 C13 outlets including 3 load banks (1 outlet each) that are individually switchable via software interface to reboot select equipment on demand or shed less significant loads to extend battery runtime for more critical equipment. Supports simultaneous remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter. Emergency Power Off (EPO) interface offers option for instantaneous power-off of UPS and connected equipment in case of fire or emergency. Multi-function audible alarms and 5 front panel LEDs offer at-a-glance notification of UPS and line power status. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges and line noise. Attractive all-black color scheme. 2-year warranty.

Package Includes

- SMX2200RT2UTAA TAA Compliant UPS System
- PowerAlert Software CD and cabling
- EPO cabling
- 3 IEC320 C13-to-C14 jumper cables
- Owner's manual with warranty information

Features

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- 2200VA/1600W output power capacity compatible with 230V 50/60Hz power

- 2U rack/tower UPS installs in standard 19-in. rack enclosures with an installed depth of only 19 in.
- Protects sensitive networking equipment from blackouts, voltage fluctuations and transient surges
- Large internal batteries offer 17 min. runtime at half load (1100VA) and 6 min. at full load (2200VA)
- Runtime is expandable with external battery packs (BP48V24-2U—limit 1 or BP48V60RT-3U—multi-pack compatible)
- 8 C13 outlets, including 3 load banks (1 outlet each) that are individually switchable via software interface to reboot select equipment on demand or shed less significant loads to extend battery runtime for more critical equipment
- IEC320-C20 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles
- Line-interactive automatic voltage regulation (AVR) corrects inputs from 158-278VAC back to usable 230V nominal levels without consuming battery power
- Network interfaces support simultaneous communications via HID-compliant USB port, DB9 serial port, and SNMPWEBCARD slot
- Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP
- HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Emergency Power Off (EPO) interface with cable
- Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter
- Multi-function audible alarms and set of 5 front panel LEDs
- UPS battery set ships fully assembled; no time-consuming connection of internal batteries by user is required
- 2-year warranty

Specifications

| OUTPUT | |
|---|---|
| Output Volt Amp Capacity (VA) | 2200 |
| Output kVA capacity (kVA) | 2.2 |
| Output Watt Capacity (watts) | 1600 |
| Output kW capacity | 1.6 |
| Output power factor | 0.7 |
| Nominal Output Voltage(s) Supported | 220V; 230V; 240V |
| Nominal Voltage details | 230V default (voltage selection via back panel dipswitches) |
| Frequency compatibility | 50 / 60 Hz |
| Output voltage regulation (line mode) | -15%, +8% |
| Output voltage regulation (Battery mode) | +/- 5% |
| Built-in UPS output receptacles | 8 C13 outlet(s) |
| Included output power cables | Includes 3 C13 to C14 output power cables |
| Built-in controllable switched load banks | Three switchable single-outlet C13 load banks |
| Basic PDU options | PDUNV (1U / 2 C19, 12 C13 outlets) |
| Switched PDU options | PDUMH15HVNET (1U / 8 C13 outlets) |
| Output AC waveform (AC mode) | Sine wave |

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| Output AC waveform (battery mode) | Pure Sine wave |
| INPUT | |
| Rated input current (at maximum load) | 8.2A (220V), 8.0A (230V), 7.5A (240V) |
| Nominal Input Voltage(s) Supported | 220V AC; 230V AC; 240V AC |
| UPS input connection type | C20 inlet |
| UPS input connection description | IEC320-C20 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles |
| Input circuit breaker | 15A |
| BATTERY | |
| Full load runtime (minutes) | 6 min. (1600w) |
| Half load runtime (minutes) | 17 min. (800w) |
| Expandable battery runtime | Extended runtime supported via optional external battery packs |
| External battery pack compatibility | BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible) |
| DC system voltage (VDC) | 48 |
| Battery recharge rate (included batteries) | Less than 4.5 hours from 10% to 90% |
| Replacement battery cartridge (internal UPS battery replacement) | RBC94-2U |
| Battery Access | Front panel battery access door |
| Battery replacement description | Hot-swappable, user replaceable batteries |
| VOLTAGE REGULATION | |
| Voltage regulation description | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 158 to 290 |
| Overvoltage correction | Voltage reduction of 12% applies when input is between 232-266V (220V), 244-278V (230V) or 254-282V (240V) |
| Undervoltage correction | Voltage boost of 12% applies when input voltage is between 174-198V (220V), 183-206V (230V) or 191-216 |
| Severe undervoltage correction | Voltage boost of 24% applies when input voltage is between 158-206V (230V) or 166-190V (240V) |
| LEDS ALARMS & SWITCHES | |
| LED Indicators | 5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status |
| Alarms | Audible alarm indicates power-failure, overload and low-battery conditions |
| Alarm cancel operation | Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status |
| Switches | 2 Switches control off/on power status and alarm-cancel/self-test operation; rear panel protected switches support low/high charger settings |
| SURGE / NOISE SUPPRESSION | |

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| UPS AC suppression joule rating | 350 |
| UPS AC suppression response time | Instantaneous |
| EMI / RFI AC noise suppression | Yes |
| PHYSICAL | |
| Installation form factors supported with included accessories | 4 post 19 inch rackmount (mounting rail kit included) |
| Installation form factors supported with optional accessories | 2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND) |
| Primary form factor | Rackmount |
| UPS / Power Module dimensions in primary form factor (height x width x depth / inches) | 3.5 x 17.5 x 19 |
| UPS / Power Module dimensions in primary form factor (height x width x depth / cm) | 8.9 x 44.4 x 48.3 |
| Installed whole system total rack space height (rack spaces) | 2U |
| Secondary form factor | Tower (requires 2-9USTAND) |
| Installed whole system dimensions in secondary form factor (height x width x depth / inches) | 17.5 x 3.5 x 19 |
| UPS dimensions in secondary form factor (height x width x depth / cm) | 44.4 x 8.9 x 48.3 |
| UPS / Power Module weight (lbs) | 61 |
| UPS / Power Module weight (kg) | 27.7 |
| UPS Shipping dimensions (height x width x depth / inches) | 9 x 23.5 x 20 |
| UPS Shipping dimensions (height x width x depth / cm) | 22.9 x 59.7 x 50.8 |
| Shipping weight (lbs) | 72 |
| Shipping weight (kg) | 32.7 |
| UPS housing material | Steel |
| Cooling method | Fan |
| ENVIRONMENTAL | |

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| Operating Temperature Range | +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius |
| Storage Temperature Range | +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius |
| Relative Humidity | 0 to 95%, non-condensing |
| AC mode BTU / hr. (full load) | 54.9 |
| Battery mode BTU / hr. (full load) | 538 |
| COMMUNICATIONS | |
| Communications interface | USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface |
| Network monitoring port description | Supports detailed monitoring of UPS and site power conditions |
| PowerAlert software | Included |
| Communications cable | USB and DB9 cabling included |
| WatchDog compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| LINE / BATTERY TRANSFER | |
| Transfer time | 2-4 milliseconds |
| Low voltage transfer to battery power (setpoint) | 174V (220V), 158V, (230V), 166V (240V) |
| High voltage transfer to battery power (setpoint) | 266V (220V), 278V (230V), 290 V (240V) |
| SPECIAL FEATURES | |
| Cold Start (startup in battery mode during a power failure) | Cold-start operation supported |
| High availability UPS features | Hot swappable batteries |
| Green & high efficiency features | Greater than 95% efficiency - GREEN UPS; Individually controllable load banks |
| CERTIFICATIONS | |
| UPS Certifications | Tested to CE (EU); Tested to GOST (Russia); Tested to SASO (Saudi Arabia); Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances); TAA Compliant |
| UPS Certification details | CE / IEC 62040, TUV with GS mark |
| WARRANTY | |
| Product Warranty Period (U.S., Canada & Puerto Rico) | 2-year limited warranty |

Related Items

Optional Products

| Product Type | Related Model | Description | Qty. |
|------------------------|----------------------------|--|------|
| External Battery Packs | BP48V24-2U | BP48V242U - External Battery Pack for UPS System | 1 |

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|--------------------------|------------------------------|---|---|
| External Battery Packs | BP48V60RT-3U | External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector | 1 |
| Power Distribution | PDU12IEC | Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment | 1 |
| Rackmount/Wallmount Kits | 2POSTRMKITWM | Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems | 1 |
| SNMP Accessories | ENVIROSENSE | Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.) | 1 |
| SNMP Accessories | SNMPWEBCARD | For remote monitoring and control via SNMP, Web, or Telnet. | 1 |
| Software | WATCHDOGSW | WatchDog Service Monitoring / Reboot Software | 1 |
| Surge Protectors | DCATV | Network Surge Suppressor - Essential protection for TV/VCR coaxial lines | 1 |
| Surge Protectors | DNET1 | Network Surge Suppressor - Essential protection for data and communication lines | 1 |
| Surge Protectors | DTEL2 | Network Surge Suppressor - Essential protection for data and communication lines | 1 |
| Tower Stands | 2-9USTAND | Enables Tower Placement of Rackmount UPS Systems | 1 |
| USB Hubs/Accessories | U022-010 | 10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male) | 1 |

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=4398.

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